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8-17-92

NEBRASKA WEATHER & CROPS



For Week Ending August 16, 1992

Issue: 23-92

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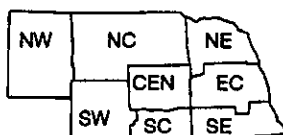
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National Agricultural Statistics Service
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National Oceanic and Atmospheric Admn.
National Weather Service



Nebraska Department of Agriculture
Division of Agr'l Statistics
Cooperative Extension Service
Institute of Agriculture
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WEATHER

Temperatures averaged five to nine degrees below normals. Scattered precipitation occurred throughout the week with amounts varying from around a tenth of an inch in the northwest up to over 1.25 inches in the central portion.

GENERAL

Severe weather again this past week brought crop damaging hail and wind to many areas of the State, according to the Nebraska Agricultural Statistics Service. In some of the storm-damaged areas, plants were stripped of their leaves and/or matted to the ground. Out of the damaged areas, crops continued developing but remained behind normal. Reports indicated that the maturity was from less than a week to over three weeks behind normal depending upon variety, lateness of planting, and/or plant development in spite of poor growing conditions. Warmer temperatures and sunshine remain a necessity for proper crop maturation. A limited amount of irrigation occurred last week, although most irrigators have not needed the additional water. Some irrigators have begun picking up irrigation pipe having never run water during this growing season. County fair events, weeding, and livestock care were main activities last week.

CROPS

Corn condition was rated at 3% poor, 23% fair, 48% good, and 26% excellent. Crop development

CROPS (Cont.)

continued across the State, but at a slower than normal rate. Concerns remain about the cool day and night temperatures, the related slower growth, and the normal time frame until the first killing frost. (See back.)

Soybean condition was rated at 1% poor, 8% fair, 70% good, and 21% excellent. When field surface conditions permitted, walking beans for weed control continued.

Sorghum condition was rated at 3% poor, 17% fair, 70% good, and 10% excellent. Wiping weeds and cane in grain sorghum fields and other weed control measures continued where possible. Crop maturity before frost remains a concern for this crop also. Sorghum cane harvest was underway.

Alfalfa condition was rated at 1% poor, 26% fair, 62% good, and 11% excellent. Some producers continued to work with the second cutting while others were able to move ahead with third cutting activities. Rains again slowed all haying activities. Wild hay condition was rated at 47% fair, 42% good, and 11% excellent.

LIVESTOCK

Pasture and range condition was rated at 99% of normal and compares with 88% of normal last year at this time. Grazing potential remained excellent in all areas. Hot, humid weather over the previous weekend brought severe stress to some feedlots with losses reported. Other than during that stressful period, gains have been good with the mild summer weather conditions.

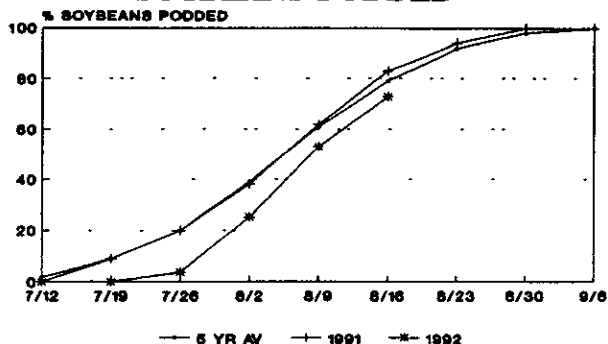
FIELD WORK PROGRESS AS OF AUGUST 16, 1992	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% corn silked	98	92	100	100	100	100	100	100	99	99	100	100
% corn dough stage	27	26	39	29	46	38	40	57	40	25	80	70
% corn dentied	0	0	6	0	7	4	2	4	4	0	30	23
% sorghum headed	32	56	61	100	68	52	70	84	75	33	84	83
% sorghum turning color	0	0	4	0	3	0	2	0	1	0	18	15
% soybeans setting pods	0	56	69	77	66	74	56	95	73	53	83	79
% alfalfa third cutting	6	20	22	33	45	45	66	53	31	18	42	54
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF AUGUST 14, 1992												
Days suitable	5.7	6.4	3.9	5.2	3.6	3.5	6.2	5.1	4.8	3.2	6.1	
Topsoil moisture - Short	29	0	0	0	0	0	10	0	3	4	79	
(Percent) - Adequate	71	91	61	50	61	86	90	80	72	48	21	
- Surplus	0	9	39	50	39	14	0	20	25	48	0	
Subsoil moisture - Short	0	0	0	0	0	0	0	0	0	0	73	
(Percent) - Adequate	100	100	92	100	77	100	100	93	92	84	27	
- Surplus	0	0	8	0	23	0	0	7	8	16	0	

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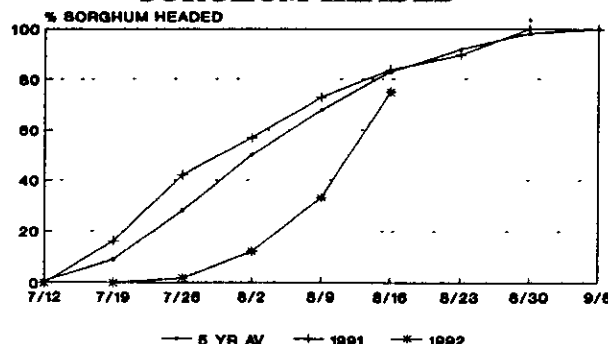
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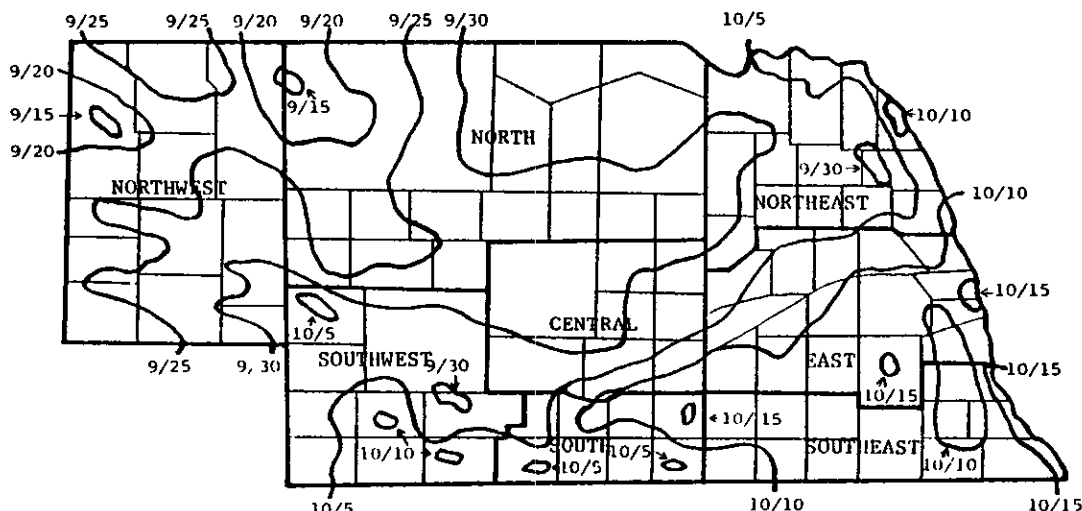
SOYBEANS PODDED



SORGHUM HEADED

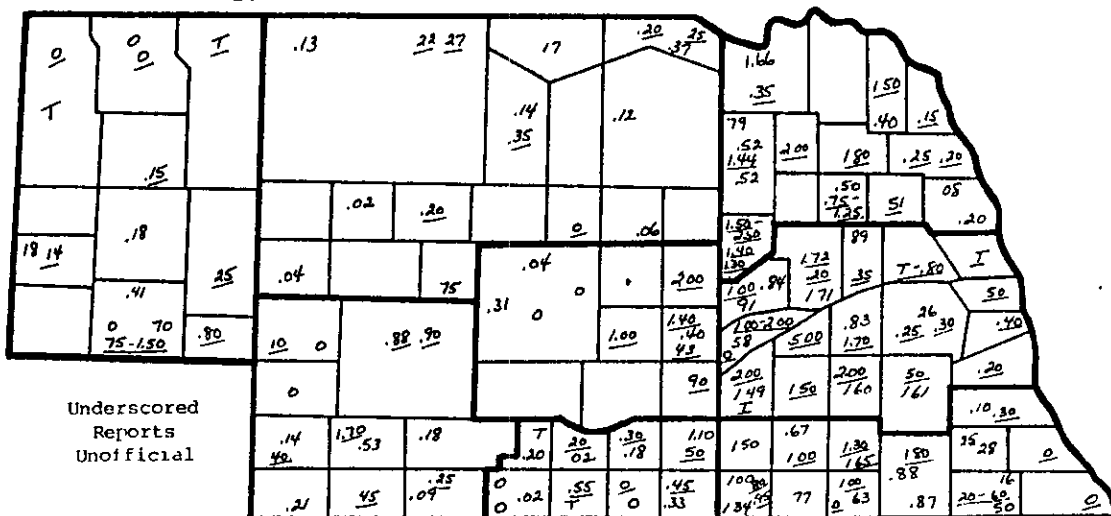


NEBRASKA -- AVERAGE DATE OF FIRST 32°F TEMPERATURE IN FALL 1/



1/ Map based on data from the 50-year period 1921-1970

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, AUGUST 14, 1992



Underscored
Reports
Unofficial

PRECIPITATION, APRIL 1 - AUGUST 14, 1992

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week21	.18	.58	.15	1.07	.16	.17	.73
Total since April 1	10.44	13.37	15.78	12.87	18.58	11.17	13.66	20.25
Normal since April 1	10.96	13.24	15.12	14.25	15.96	12.13	14.30	16.64

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, AUGUST 16, 1992

Station		Temperature				Precipitation	Growing Degree Data Since April 15		
		Extremes		Mean	Departure	Total Inches 1/	Last Week	Current	Normal
		Max	Min						
NW	Chadron	92	47	68	---	.08	---	---	---
	Scottsbluff	92	47	68	-5	.02	1777	1905	1999
	Sidney	91	47	66	---	.13	1670	1780	1959
NC	Valentine	86	46	67	-6	.19	1630	1742	2028
NE	Norfolk	82	48	66	-8	1.31	---	---	---
	Sioux City	82	45	65	-9	.15	---	---	---
	Concord	---	---	---	---	---	1692	1795	2273
CEN	Elgin	---	---	---	---	---	1611	1705	2215
	West Point*	---	---	---	---	---	1790	1894	2324
	Grand Island	83	50	67	-9	1.28	1823	1940	2307
	Ord	84	48	67	---	.32	1750	1867	2279
	EC	Lincoln	87	49	68	-8	.63	1990	2122
	Omaha	83	52	66	-8	.05	1868	1991	2314
	Columbus	---	---	---	---	---	1811	1918	2354
	York	---	---	---	---	---	1862	1976	2413
SW	Imperial	---	---	---	---	---	---	---	---
SC	North Platte	83	47	66	-7	.90	**1699	**1814	**2164
	Holdrege	---	---	---	---	---	1868	1980	2351
SE	Beatrice	---	---	---	---	---	1961	2079	2525
	Clay Center	---	---	---	---	---	1866	1979	2392

1/ Precipitation totals not included in map above *Automated weather station **West Central Research & Extension Center

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is Max temp + min temp divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.